

+ STATEMENT

1. A system for controlling an illuminating apparatus consisting of at least two luminaries, comprising:

a sensing apparatus for sensing the luminous intensity of the ambient light;

a luminance controlling apparatus for sending a luminance controlling signal correspondingly after processing on the luminous intensity of the ambient light received from the sensing apparatus; and

a light source controlling apparatus for controlling the luminous intensity of said illuminating apparatus through igniting the corresponding number of the luminaries according to the luminance controlling signal received from the luminance controlling apparatus.

2. The system according to claim 1, wherein said luminance controlling apparatus is able to control whether a luminary should be ignited based on its contribution to the total luminous intensity of said illuminating apparatus.

3. A system for controlling the illuminating apparatus, comprising:

a sensing apparatus for sensing the luminous intensity of the ambient light;

a luminance controlling apparatus for sending a luminance controlling signal correspondingly after processing on the luminous intensity of the ambient light received from the sensing apparatus, this luminance controlling apparatus is able to adjust the sampling frequency according to the variation of the sensed luminous intensity of the ambient light;

a light source controlling apparatus for controlling the luminous intensity of said illuminating apparatus according to the luminance controlling signal received from the luminance controlling apparatus.

4. A system for controlling the illuminating apparatus, comprising:

a sensing apparatus for sensing the luminous intensity of the ambient light;

a luminance controlling apparatus for sending a luminance controlling signal correspondingly after analog signal processing on the luminous intensity of the ambient light received from the sensing apparatus, thereby to control the luminous intensity of said illuminating apparatus.

5. The system according to claim 4, further comprising:

a displaying apparatus, which is provided with the back light by said illuminating apparatus; and

a data inputting apparatus, which is provided with the back light by said illuminating apparatus.

5 6. The system according to claim 1, 3 or 4, wherein said luminance controlling signal is able to put the illuminating apparatus in a non-igniting state.

10 7. The system according to claim 1, 3 or 4, wherein said luminance controlling apparatus is able to control the luminous intensity of said illuminating apparatus by adjusting the electric current passing through the luminaries.

8. A electronic system, comprising:

a illuminating apparatus which includes at least two luminaries;

15 a displaying apparatus which is provided with the back light by said illuminating apparatus; and

a controlling apparatus for controlling said illuminating apparatus, comprising:

a sensing apparatus for sensing the luminous intensity of the ambient light;

20 a luminance controlling apparatus for sending a luminance controlling signal correspondingly after processing on the luminous intensity of the ambient light received from the sensing apparatus; and

25 a light source controlling apparatus for controlling the luminous intensity of said illuminating apparatus through igniting the corresponding number of the luminaries according to the luminance controlling signal received from the luminance controlling apparatus.

9. A electronic system, comprising:

a illuminating apparatus which includes at least one luminary;

30 a displaying apparatus which is provided with the back light by said illuminating apparatus; and

a controlling apparatus for controlling said illuminating apparatus, comprising:

a sensing apparatus for sensing the luminous intensity of the ambient light;

a luminance controlling apparatus for sending a luminance controlling signal correspondingly after processing on the luminous intensity of the ambient light received from the sensing apparatus, this luminance controlling apparatus is able to adjust the sampling frequency according to the variation of the sensed luminous intensity of the ambient light; and

a light source controlling apparatus for controlling the luminous intensity of said illuminating apparatus according to the luminance controlling signal received from the luminance controlling apparatus.

10. The system according to claim 8 or 9, further comprising:

a data inputting apparatus, which is provided with the back light by said illuminating apparatus.

11. The system according to claim 10, wherein said illuminating apparatus is able to provide the back light with the different intensity for said displaying apparatus and said data inputting apparatus.

12. The system according to claim 8 or 9, further comprising:

a status identifying apparatus which is able to judge whether the state of the system itself needs the back light.

13. A method for controlling the illuminating apparatus consisting of at least two luminaries, comprising the steps of:

sensing the luminous intensity of the ambient light;

generating a luminance controlling signal after processing on the sensed luminous intensity of the ambient light; and

igniting the corresponding number of the luminaries according to the created luminance controlling signal, thereby to control the luminous intensity of said illuminating apparatus.

14. The method according to claim 13, wherein the step of sending the luminance controlling signal also including controlling whether each luminary should be ignited based on its contribution to the total luminous intensity of said illuminating apparatus.

15. A method for controlling the illuminating apparatus, comprising the steps of:

sensing the luminous intensity of the ambient light;

generating the luminance controlling signal after processing on the sensed luminous intensity of the ambient light;

controlling the luminous intensity of said illuminating apparatus according to the luminance controlling signal; and

adjusting the sampling frequency according to the sensed variation of the luminous intensity of the ambient light.

5 16. A method for controlling the illuminating apparatus, comprising the steps of:

sensing the luminous intensity of the ambient light;

10 generating the luminance controlling signal after the analog signal processing on the sensed luminous intensity of the ambient light, thereby to control the luminous intensity of said illuminating apparatus.

17. The method according to claim 13, 15 or 16, wherein said luminance controlling signal is able to put the illuminating apparatus in a non-igniting state.

15 18. The method according to claim 13, 15 or 16, wherein said luminance controlling signal including a signal for adjusting the electric current passing through the luminaries.

Statement under article 19(1) and Rule 46.4

According to Article 19 and Rule 46, we amend the claims 1-4, 6-9, 11-17 of the international patent application PCT/IB2004/051807, and use the amended claims to replace the original
5 claims 1-4, 6-9, 11-17. Claims 1-4, 6-9, 11-17 is replaced by amended claims bearing the same numbers. When we correct the translation errors of the original claims, we did not exceed the original essential meaning of the international patent application.

According to the comparison form and the replace sheet, we amend the claims as followings:

1. "a kind of" in the claims 1,3,4,8,9,15, and 16 is replaced by "a".
- 10 2. "luminous intensity of the circumstance" in the claims 1,3,4,8,9,13,15, and 16 is replaced by "luminous intensity of the ambient light".
3. "general" in the claims 2 and 14 is replaced by "total".
4. "the disposal of" in the claims 1,3,4,8,9,13,15, and 16 is replaced by "processing on".
5. "can" in the claims 2,3,7,9,11, and 12 is replaced by "is able to".
- 15 6. " the luminance controlling signal can make the whole illuminating apparatus under the non-igniting state" in the claims 6 and 17 is replaced by "the luminance controlling signal is able to put the illuminating apparatus in a non-igniting state".
7. " the sensed variation of the luminous intensity" in the claims 3,9,15 is replaced by " the variation of the sensed luminous intensity".
- 20 8. "comprising" in the claims of 13, 15 and 16 is replaced by "comprising the steps of".
9. "creating" in the claims of 13,15 and 16 is replaced by "generating".
10. "the created luminance intensity" in the claim 15 is replaced by "the luminance intensity".